

**Table 2.12 Commercial Buildings Energy Intensities by Building Characteristic, 1995**  
 (Thousand Btu per Square Foot)

Building Characteristic	Space Heating	Cooling	Ventilation	Water Heating	Lighting	Cooking	Refrigeration	Office Equipment	Other <sup>1</sup>	All End Uses
All Buildings .....	29.0	6.0	2.8	13.8	20.4	3.7	3.1	5.7	6.1	90.5
<b>Building Floorspace (square feet)</b>										
1,001 to 5,000 .....	39.5	7.0	2.9	9.7	22.7	8.9	10.4	5.4	5.1	111.7
5,001 to 10,000 .....	38.5	4.4	1.7	11.1	13.6	4.3	2.5	3.8	2.9	82.8
10,001 to 25,000 .....	27.4	4.8	1.7	9.1	14.7	2.6	2.5	4.3	3.7	70.9
25,001 to 50,000 .....	28.2	6.7	2.1	11.6	18.5	2.1	2.5	5.0	5.2	82.0
50,001 to 100,000 .....	27.0	7.0	3.2	12.9	21.3	2.0	2.1	6.1	6.0	87.6
100,001 to 200,000 .....	26.6	6.2	3.3	19.6	25.0	3.1	1.4	7.2	8.9	101.4
200,001 to 500,000 .....	24.0	6.7	4.5	25.2	27.4	4.6	1.6	8.5	11.9	114.6
Over 500,000 .....	18.5	6.0	3.9	18.0	28.6	3.5	2.2	7.0	9.1	96.8
<b>Principal Building Activity</b>										
Education .....	32.8	4.8	1.6	17.4	15.8	1.4	1.0	1.5	2.9	79.3
Food Sales .....	27.5	13.4	4.4	9.1	33.9	5.6	110.9	1.3	7.4	213.5
Food Service .....	30.9	19.5	5.3	27.5	37.0	77.5	31.6	2.6	13.7	245.5
Health Care .....	55.2	9.9	7.2	63.0	39.3	11.2	4.7	15.5	34.4	240.4
Lodging .....	22.7	8.1	1.7	51.4	23.2	6.6	2.3	3.8	7.5	127.3
Mercantile and Service .....	30.6	5.8	2.5	5.1	23.4	1.5	0.9	2.9	3.7	76.4
Office .....	24.3	9.1	5.2	8.7	28.1	1.1	0.4	15.1	5.2	97.2
Public Assembly .....	53.6	6.3	3.5	17.5	21.9	2.8	1.8	2.4	3.8	113.7
Public Order and Safety .....	27.8	6.1	2.3	23.4	16.4	Q	0.2	5.8	12.7	97.2
Religious Worship .....	23.7	1.9	0.9	3.2	5.0	0.5	0.6	0.4	1.1	37.4
Warehouse and Storage .....	15.7	0.9	0.3	2.0	9.8	0.0	1.7	4.4	3.4	38.3
Other <sup>2</sup> .....	59.6	9.3	8.3	15.3	26.7	Q	0.7	15.2	35.9	172.2
Vacant .....	11.9	0.6	0.3	2.4	3.6	Q	0.2	0.5	1.9	21.5
<b>Year Constructed</b>										
1919 or Before .....	34.2	2.6	1.6	10.0	14.9	4.0	1.3	3.2	7.5	79.4
1920 to 1945 .....	37.0	3.4	1.6	10.7	12.3	1.8	1.6	3.3	4.1	75.7
1946 to 1959 .....	37.2	4.4	2.1	14.1	15.5	3.0	2.7	4.6	5.2	88.9
1960 to 1969 .....	30.2	5.7	2.7	16.8	20.4	4.0	3.0	5.3	6.1	94.3
1970 to 1979 .....	26.0	7.2	3.6	15.8	25.6	3.2	3.7	6.7	7.5	99.3
1980 to 1989 .....	19.8	7.8	3.2	11.5	23.5	4.2	3.0	7.6	5.9	86.5
1990 to 1992 .....	26.6	8.4	3.5	17.2	28.7	9.3	5.6	7.9	7.4	114.6
1993 to 1995 .....	24.3	7.9	3.2	11.7	22.7	3.3	7.4	4.9	6.8	92.2
<b>Census Region <sup>3</sup></b>										
Northeast .....	32.4	4.0	2.0	14.2	17.7	2.7	3.0	4.5	6.4	87.1
Midwest .....	46.7	4.3	2.5	15.6	18.8	3.5	2.4	5.1	5.6	104.5
South .....	18.0	8.4	3.2	10.5	21.3	4.0	3.4	5.9	6.0	80.8
West .....	23.4	5.5	3.1	17.0	23.6	4.3	3.4	7.2	6.5	94.2

<sup>1</sup> Examples of "other" include medical, electronic, and testing equipment; conveyors, wrappers, hoists, and compactors; washers, disposals, dryers and cleaning equipment; escalators, elevators, dumb waiters, and window washers; shop tools and electronic testing equipment; sign motors, time clocks, vending machines, phone equipment, and sprinkler controls; scoreboards, fire alarms, intercoms, television sets, radios, projectors, and door operators.

<sup>2</sup> Includes buildings that do not fit into any of the other named categories.

<sup>3</sup> See Appendix D for Census regions.

Q=Data withheld because either the relative standard error was greater than 50 percent or fewer than 20 buildings were sampled.

Web Page: <http://www.eia.doe.gov/emeu/cbecs>.

Source: Energy Information Administration, *A Look at Commercial Buildings in 1995: Characteristics, Energy Consumption, and Energy Expenditures* (October 1998), Table EU-2.